

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024996.D
 Acq On : 28 Jun 2018 03:46
 Operator : MD/SY
 Sample : J3671-11ME 10X
 Misc : 6.26g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB478-29-31-180621ME

Quant Time: Jun 28 06:46:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	213014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	325694	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	302290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	163087	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
35) Dibromofluoromethane	4.89	113	125566	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
50) Toluene-d8	7.57	98	466644	47.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.66%	
62) 4-Bromofluorobenzene	10.31	95	179425	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	

Target Compounds

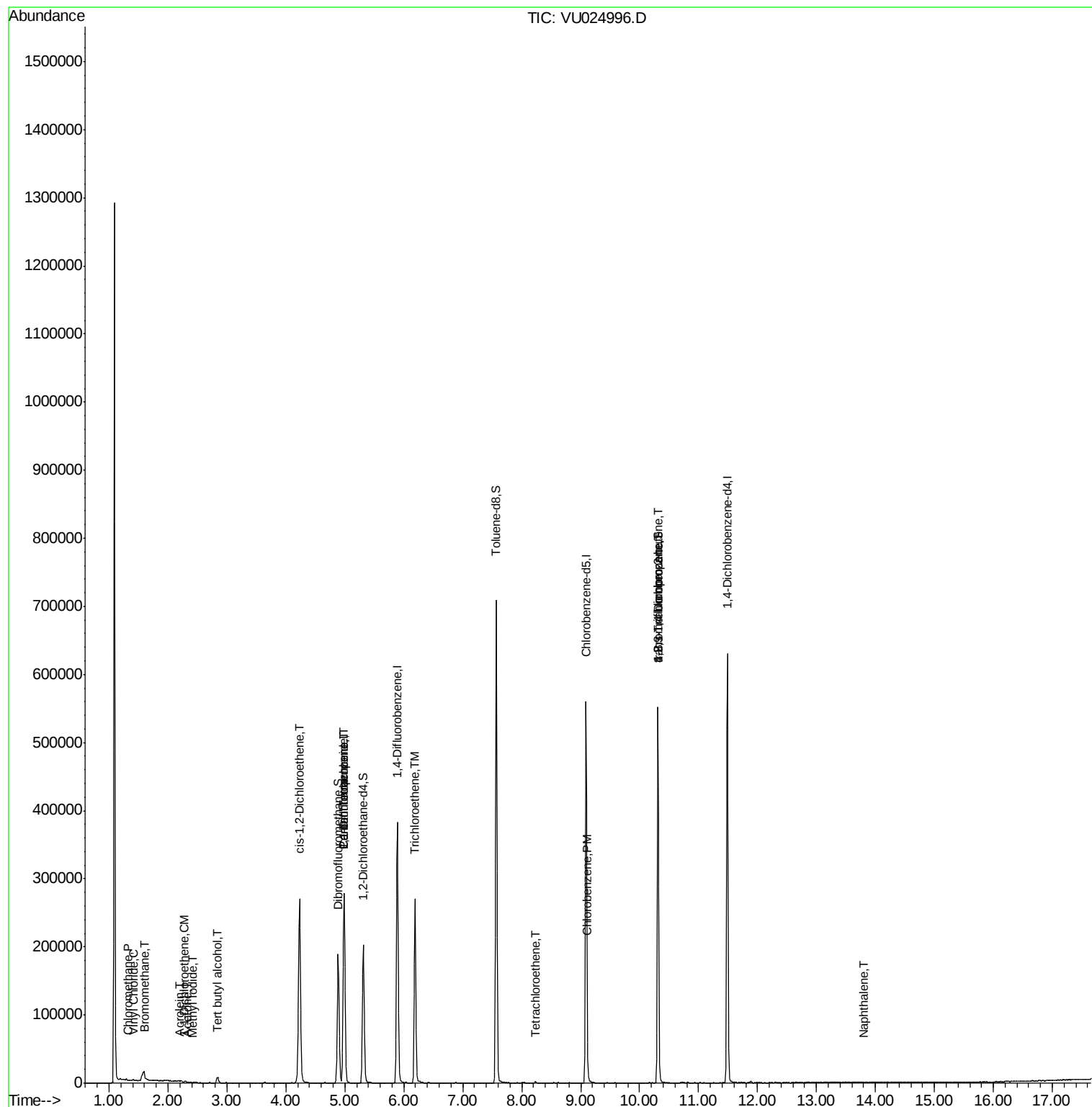
						Qvalue
3) Chloromethane	1.33	50	556	0.204	ug/l #	78
4) Vinyl Chloride	1.40	62	963	0.343	ug/l	98
5) Bromomethane	1.62	94	707	0.521	ug/l #	64
6) Chloroethane	1.71	64	23	Below Cal	#	43
10) Methyl Iodide	2.42	142	113	5.333	ug/l #	40
11) Tert butyl alcohol	2.83	59	5262	6.222	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	587	0.242	ug/l #	74
13) Acrolein	2.19	56	89	0.200	ug/l #	75
16) Acetone	2.32	43	1097	0.587	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	152171	49.547	ug/l	89
31) Cyclohexane	4.99	56	4320	Below Cal	#	3
36) 1,1-Dichloropropene	4.99	75	15984	4.176	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20331	4.831	ug/l #	16
44) Trichloroethene	6.19	130	94972	30.600	ug/l	97
64) Tetrachloroethene	8.23	164	594	0.207	ug/l	92
65) Chlorobenzene	9.12	112	1851	0.240	ug/l #	82
76) 1,2,3-Trichloropropane	10.31	75	93039	25.495	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	93039	59.007	ug/l #	100
95) Naphthalene	13.79	128	192	0.695	ug/l #	69

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

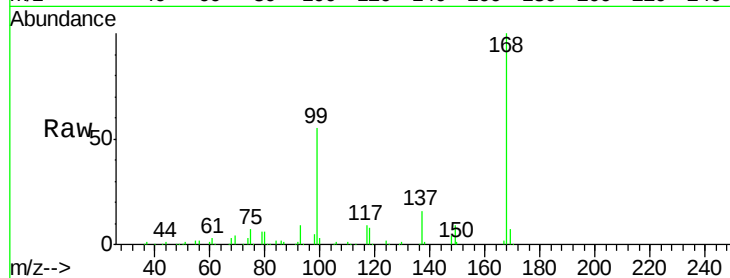
WP021SB478-29-31-180621ME

Tgt Ion:168 Resp: 213014

Ion Ratio Lower Upper

168 100

99 54.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

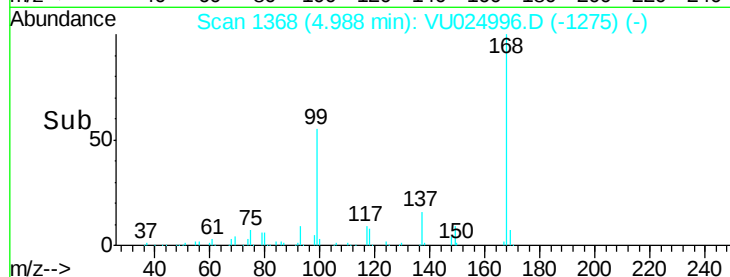
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024996.D

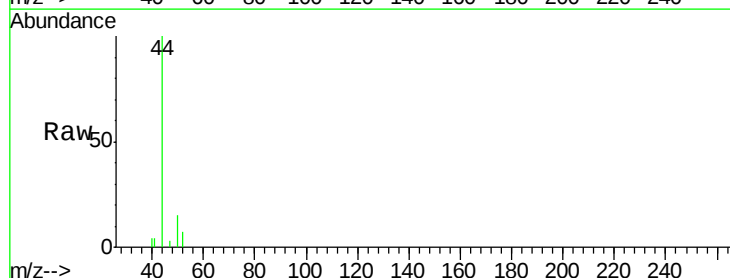
Acq: 28 Jun 2018 03:46

Tgt Ion: 50 Resp: 556

Ion Ratio Lower Upper

50 100

52 45.4 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.33

600

500

400

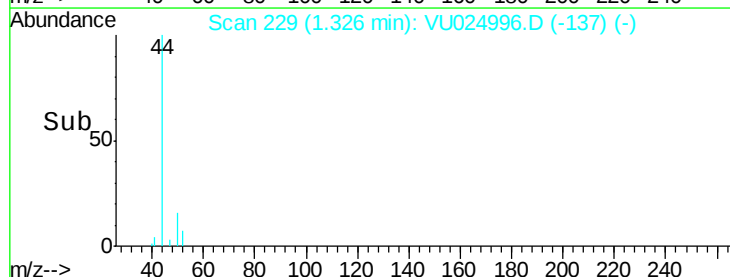
300

200

100

0

Time-->





#4

Vinyl Chloride

Concen: 0.343 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

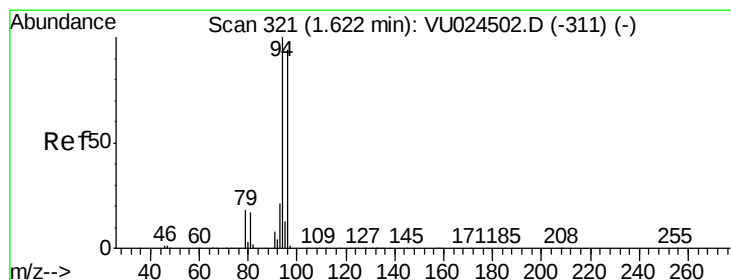
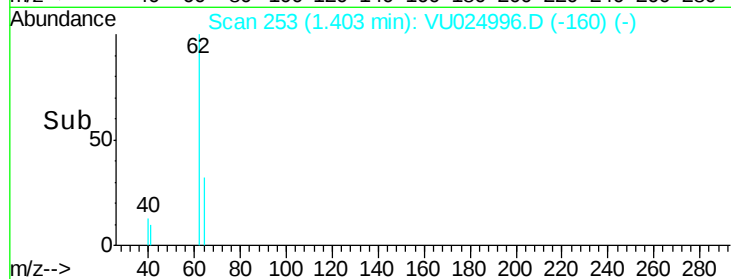
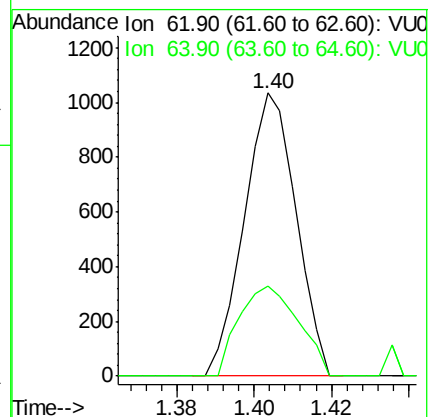
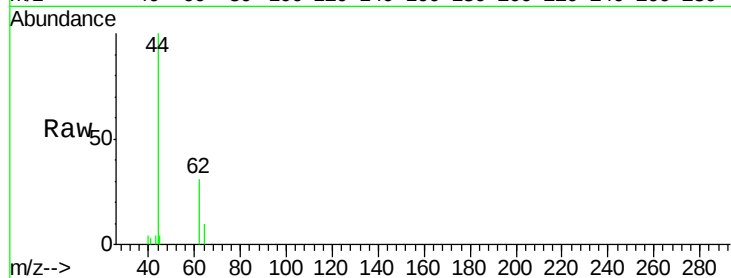
WP021SB478-29-31-180621ME

Tgt Ion: 62 Resp: 963

Ion Ratio Lower Upper

62 100

64 31.9 24.8 37.2



#5

Bromomethane

Concen: 0.521 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU024996.D

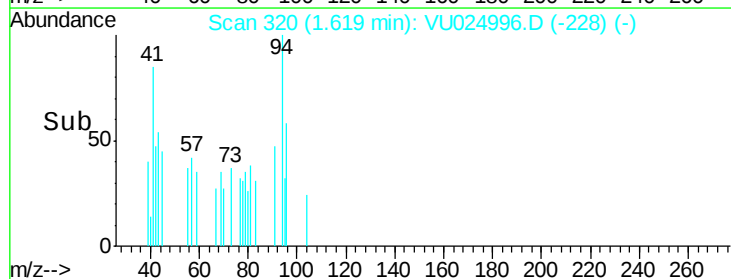
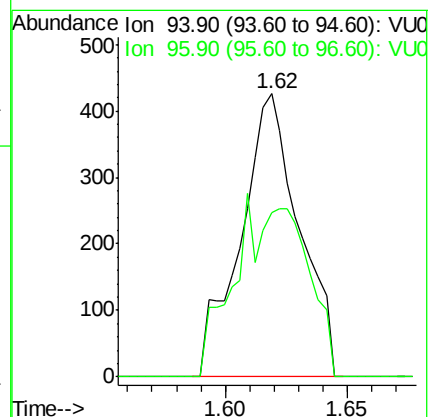
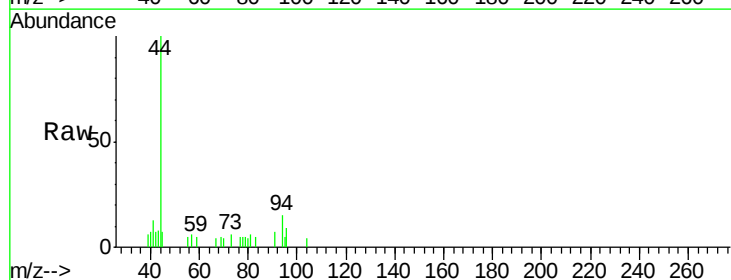
Acq: 28 Jun 2018 03:46

Tgt Ion: 94 Resp: 707

Ion Ratio Lower Upper

94 100

96 58.2 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 348

Delta R.T. 0.01 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

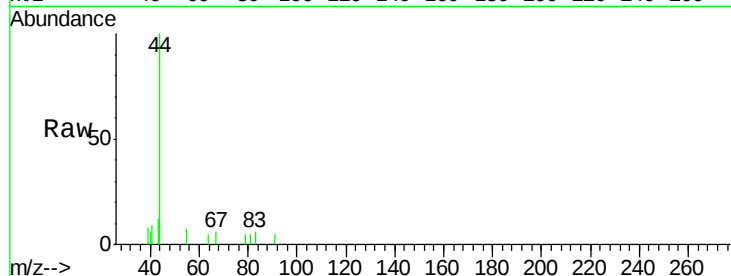
WP021SB478-29-31-180621ME

Tgt Ion: 64 Resp: 23

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

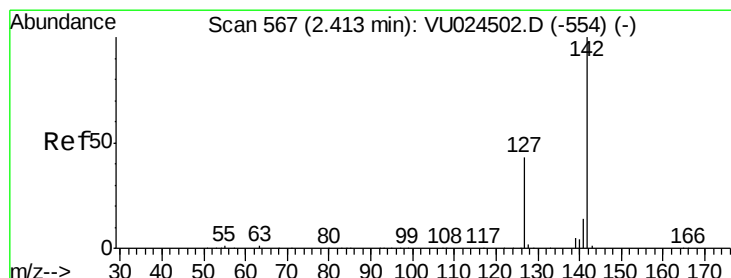
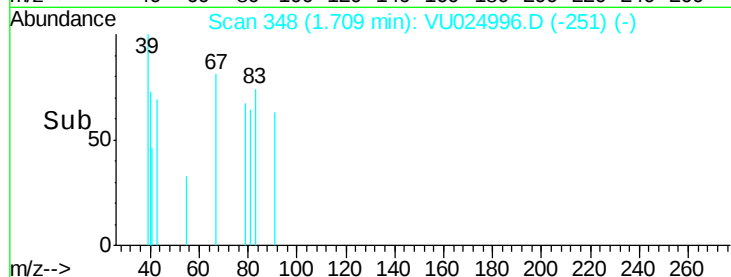
1.71

100

50

0

Time-->



#10

Methyl Iodide

Concen: 5.333 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

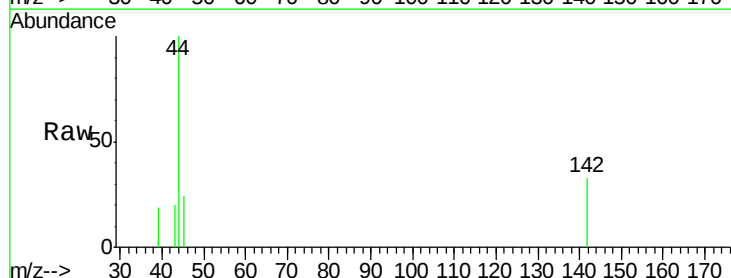
Tgt Ion: 142 Resp: 113

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.42

200

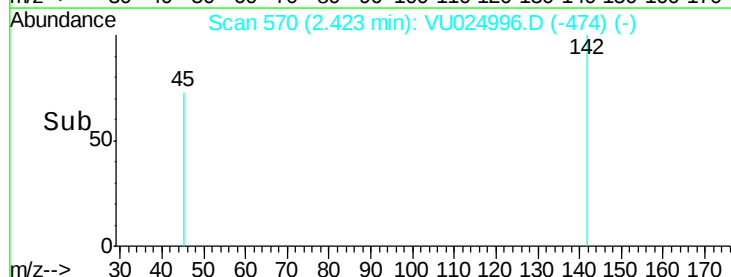
150

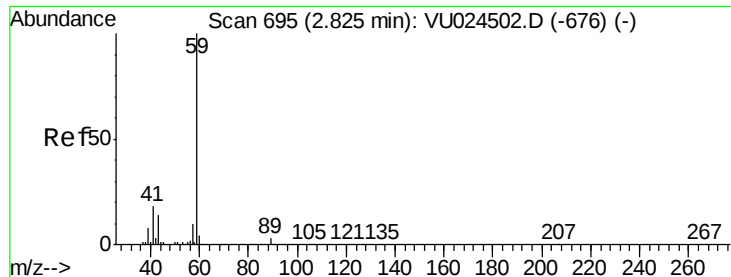
100

50

0

Time-->





#11

Tert butyl alcohol

Concen: 6.222 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

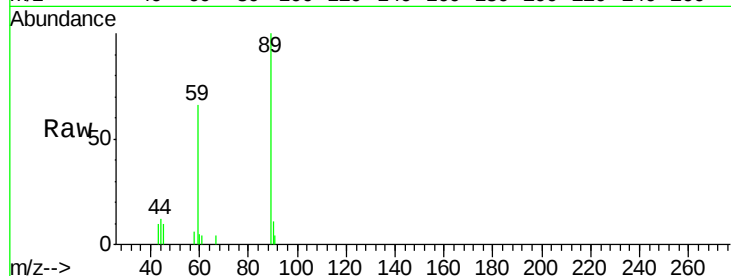
WP021SB478-29-31-180621ME

Tgt Ion: 59 Resp: 5262

Ion Ratio Lower Upper

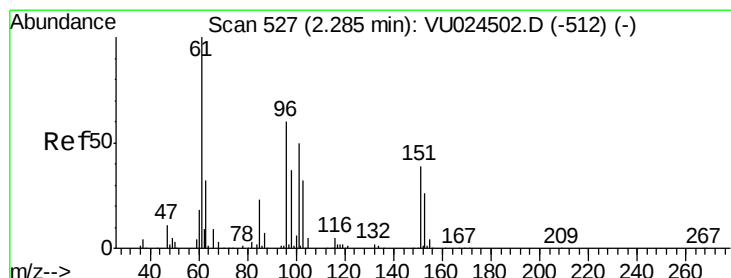
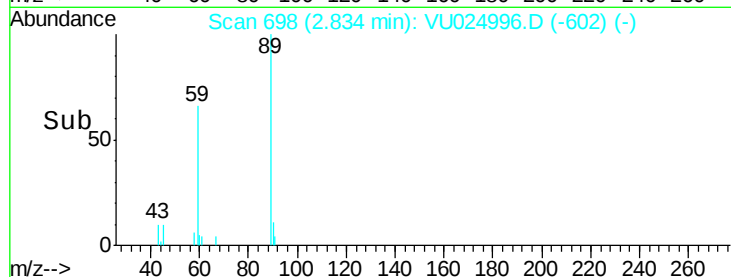
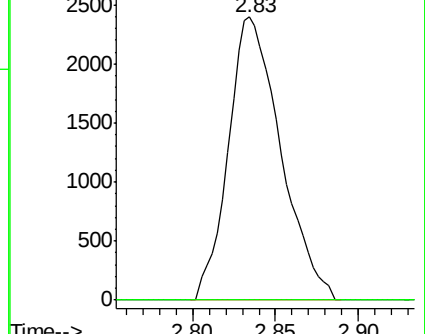
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0



#12

1,1-Dichloroethene

Concen: 0.242 ug/l

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

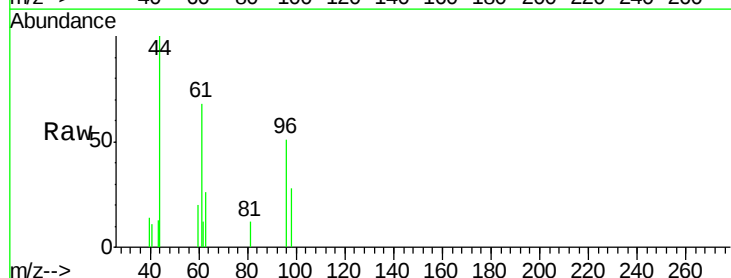
Tgt Ion: 96 Resp: 587

Ion Ratio Lower Upper

96 100

61 133.2 141.7 212.5#

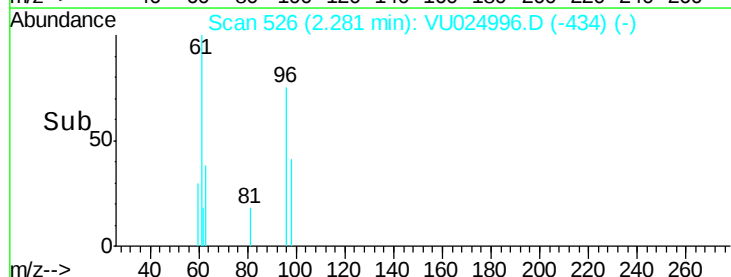
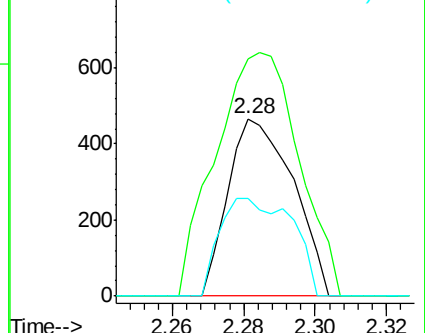
98 54.8 51.6 77.4

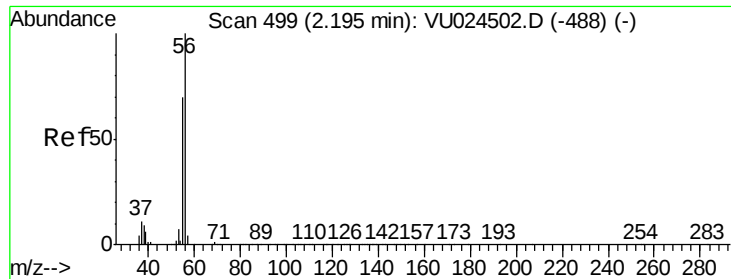


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#13

Acrolein

Concen: 0.200 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

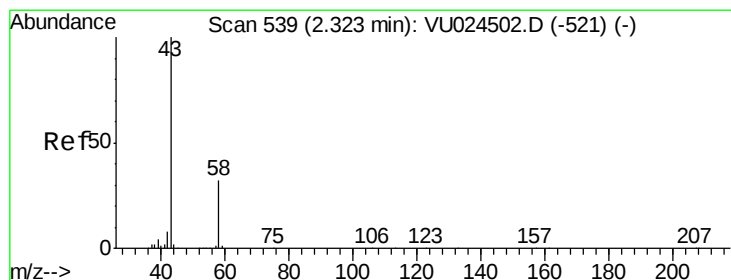
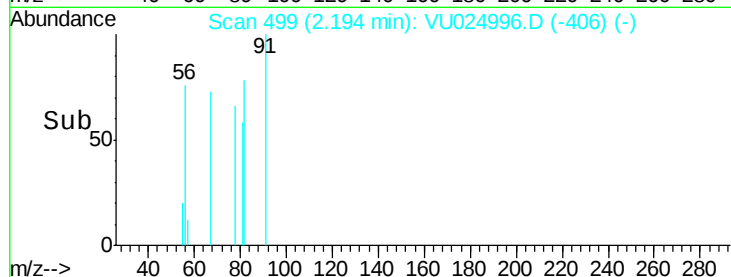
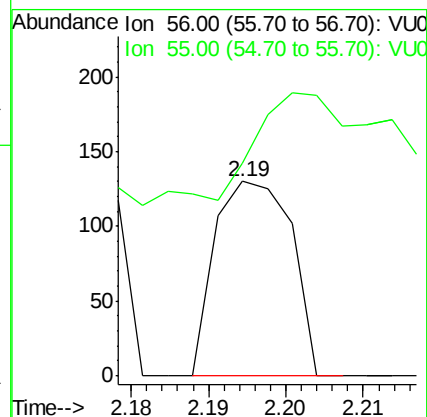
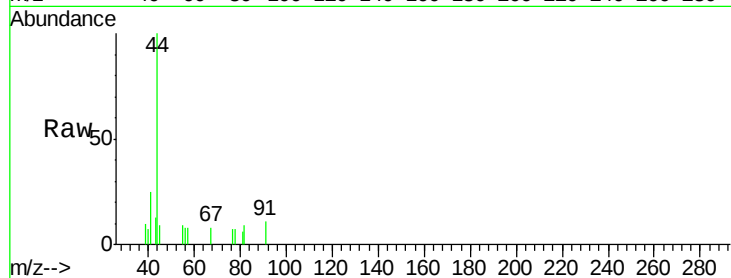
WP021SB478-29-31-180621ME

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 94.4 58.4 87.6#



#16

Acetone

Concen: 0.587 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024996.D

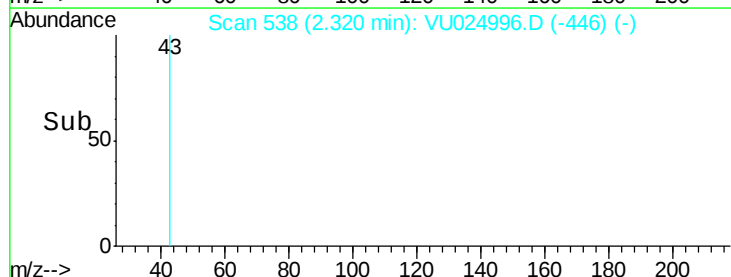
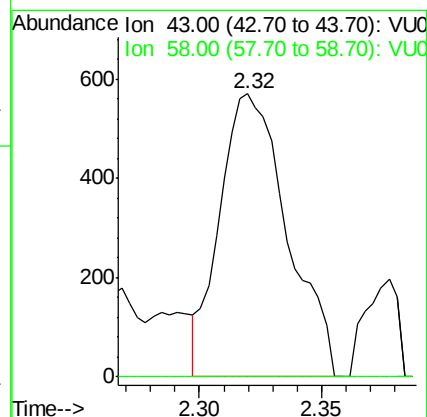
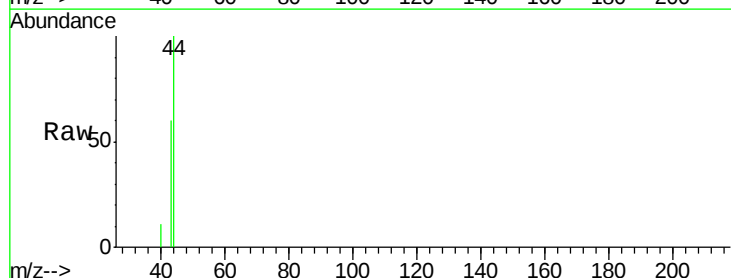
Acq: 28 Jun 2018 03:46

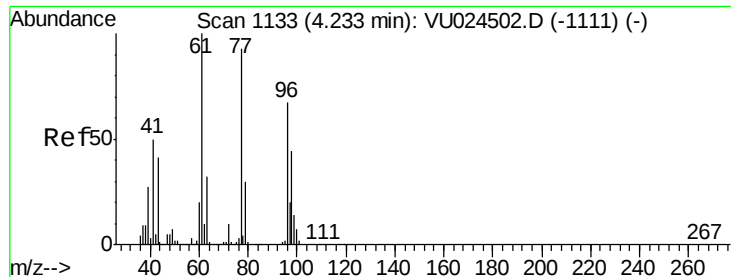
Tgt Ion: 43 Resp: 1097

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 49.547 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

WP021SB478-29-31-180621ME

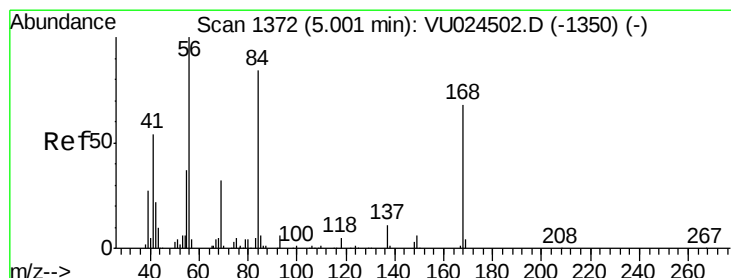
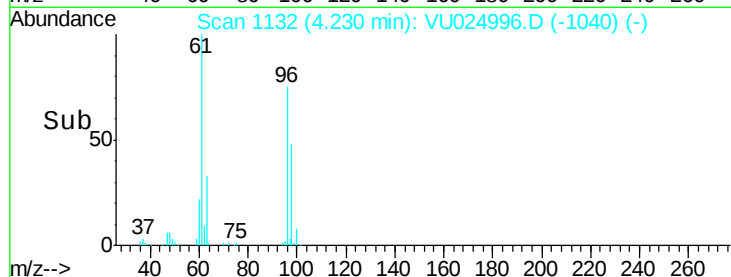
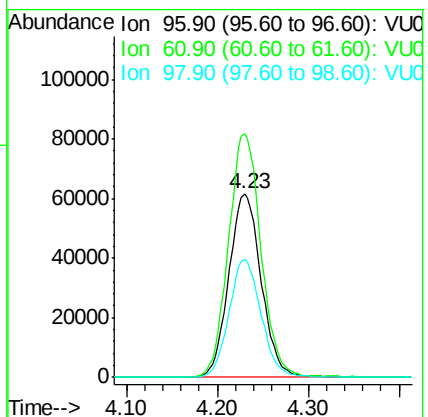
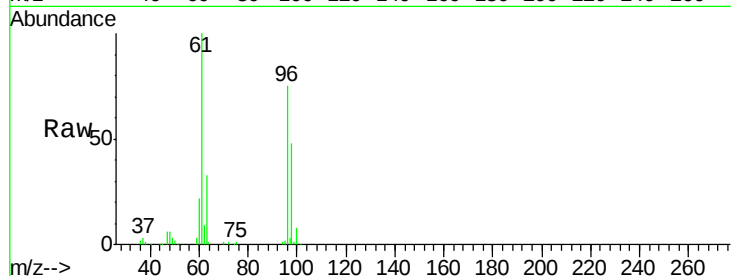
Tgt Ion: 96 Resp: 152171

Ion Ratio Lower Upper

96 100

61 133.3 0.0 306.6

98 63.7 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

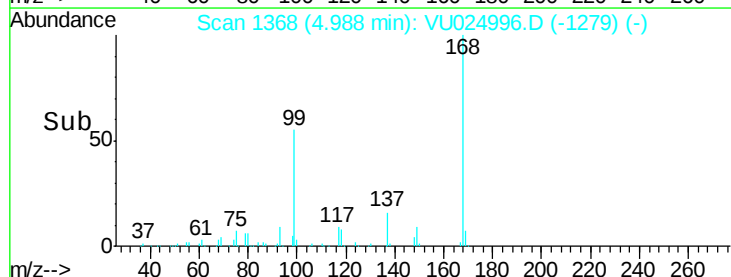
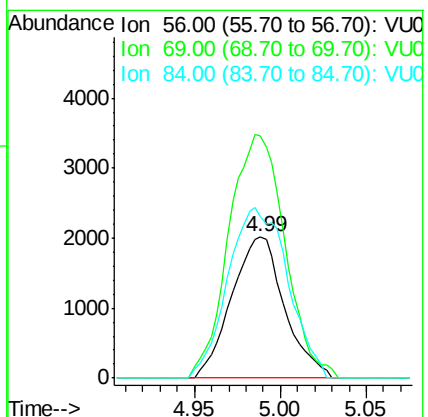
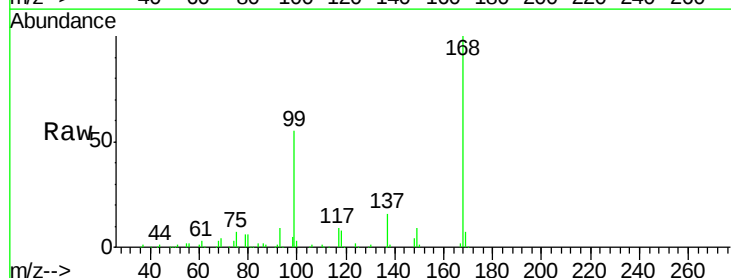
Tgt Ion: 56 Resp: 4320

Ion Ratio Lower Upper

56 100

69 171.1 24.8 37.2#

84 114.5 65.2 97.8#

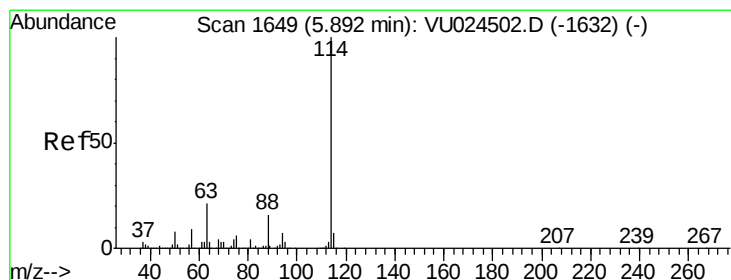
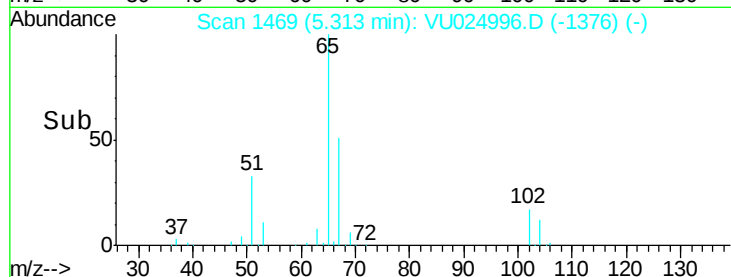
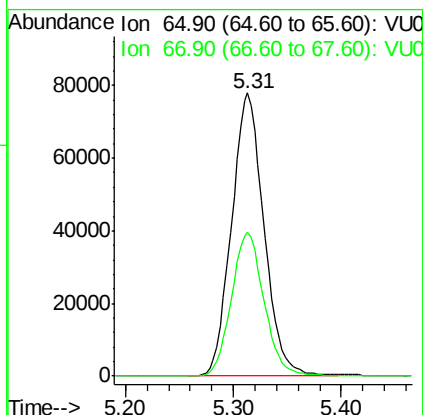
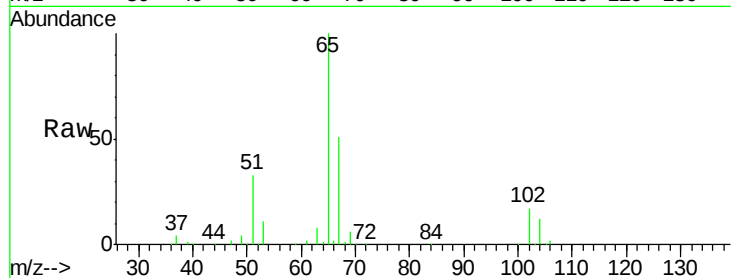




#33
 1,2-Dichloroethane-d4
 Concen: 46.898 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024996.D
 Acq: 28 Jun 2018 03:46

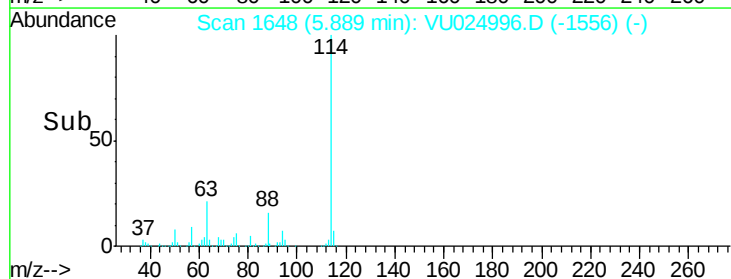
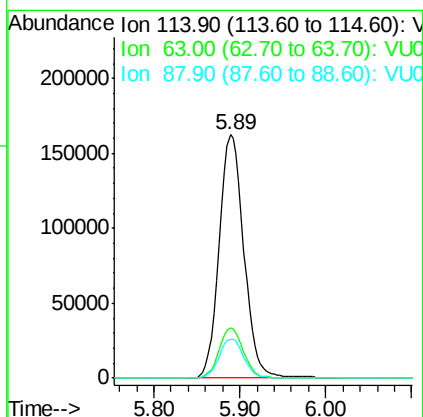
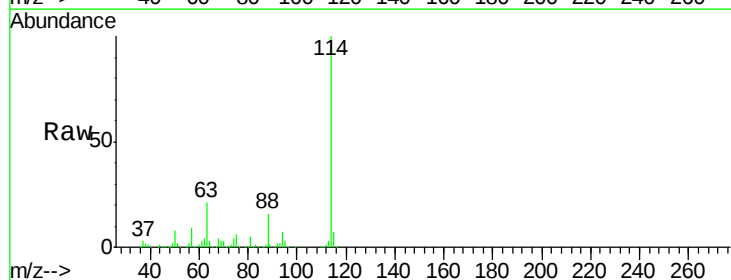
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB478-29-31-180621ME

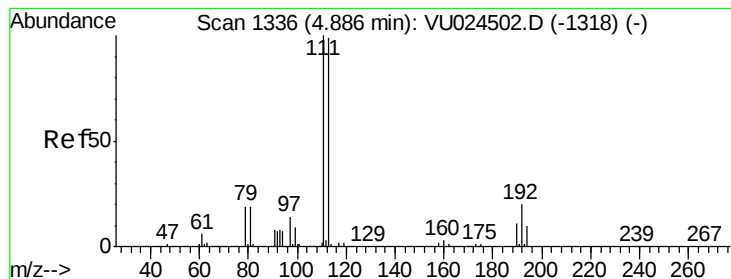
Tgt Ion: 65 Resp: 163087
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024996.D
 Acq: 28 Jun 2018 03:46

Tgt Ion: 114 Resp: 325694
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 45.4
 88 16.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.454 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

WP021SB478-29-31-180621ME

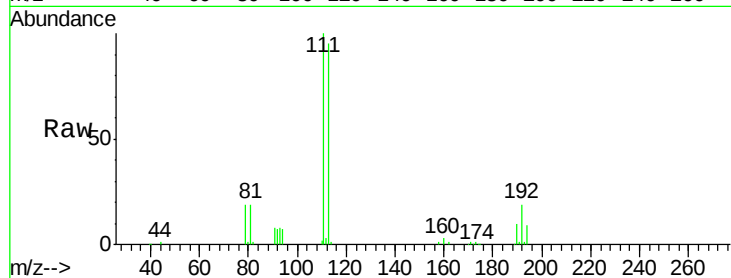
Tgt Ion:113 Resp: 125566

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

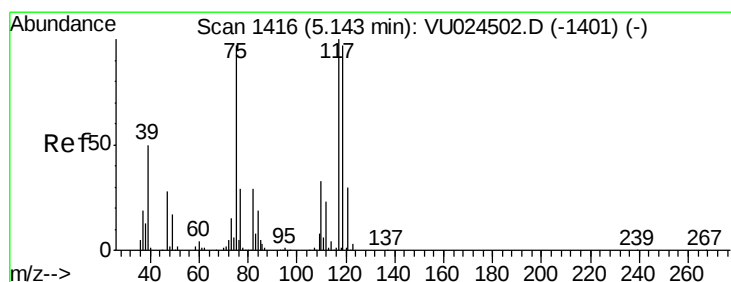
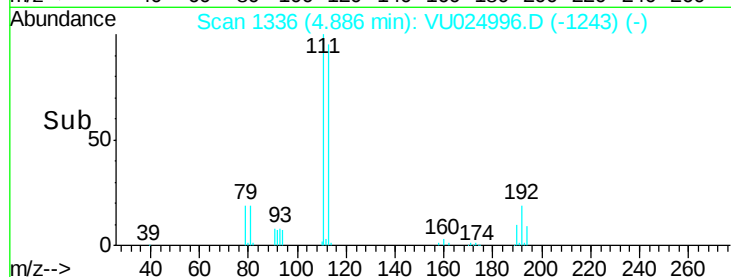
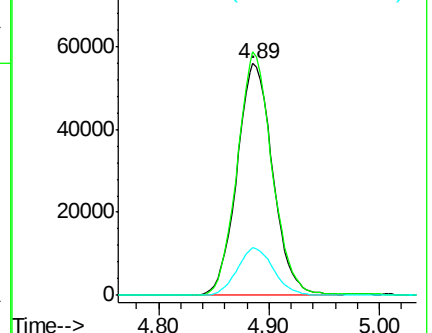
192 20.8 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.176 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

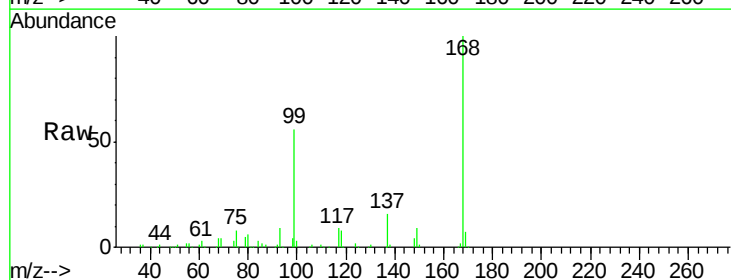
Tgt Ion: 75 Resp: 15984

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

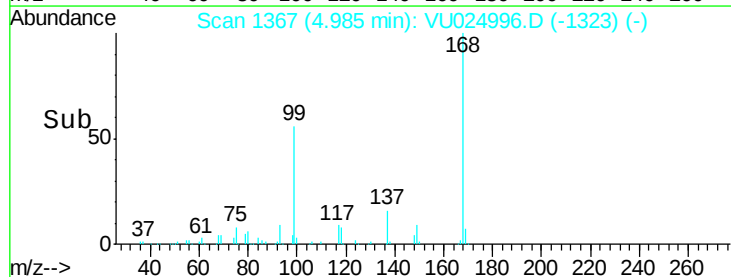
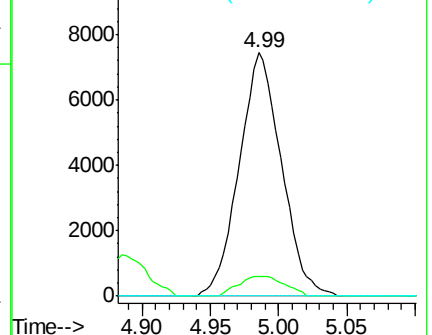
77 0.0 24.2 36.4#

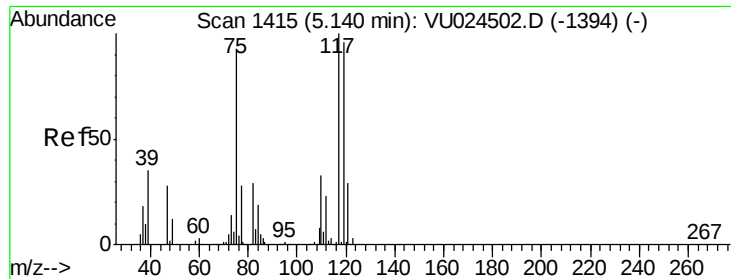


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.831 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

WP021SB478-29-31-180621ME

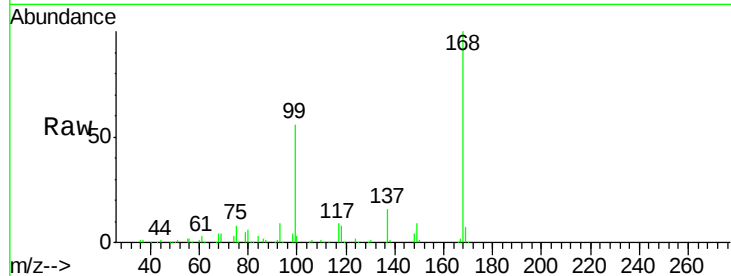
Tgt Ion:117 Resp: 20331

Ion Ratio Lower Upper

117 100

119 4.3 76.1 114.1#

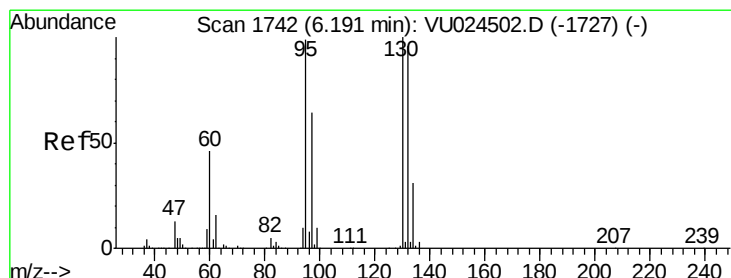
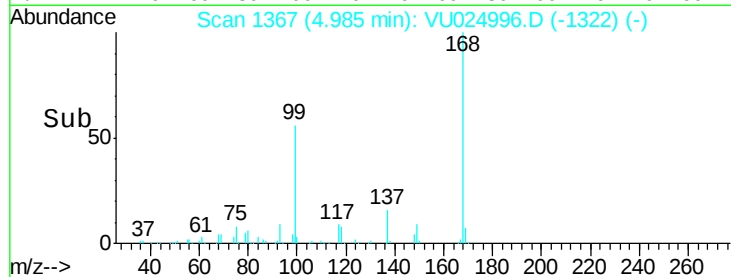
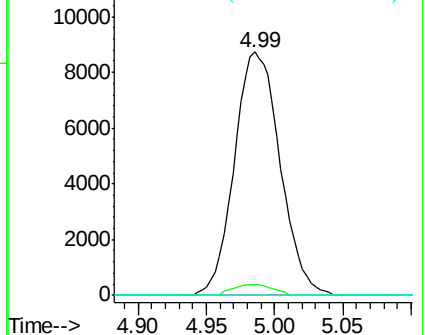
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 30.600 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024996.D

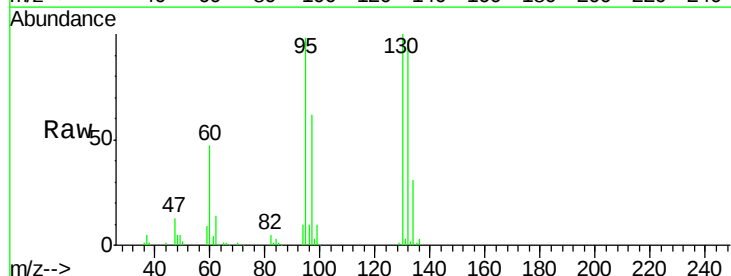
Acq: 28 Jun 2018 03:46

Tgt Ion:130 Resp: 94972

Ion Ratio Lower Upper

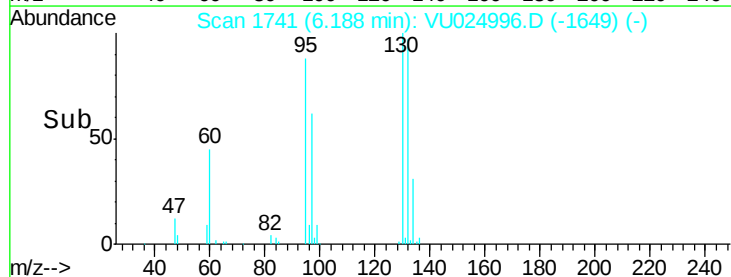
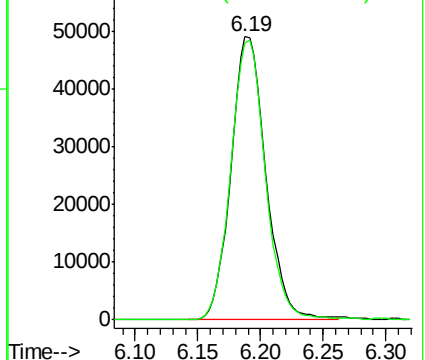
130 100

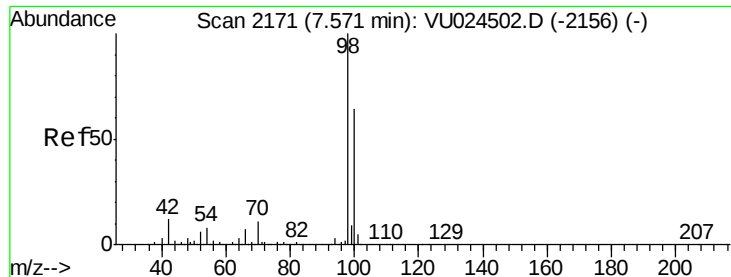
95 97.7 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

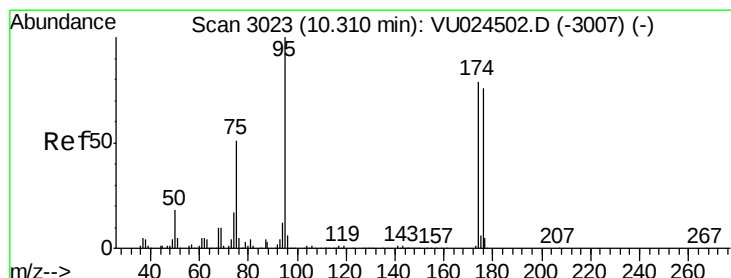
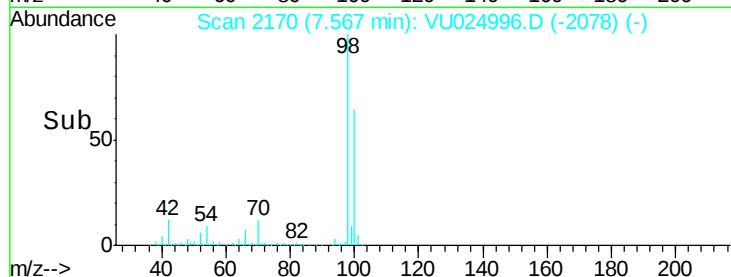
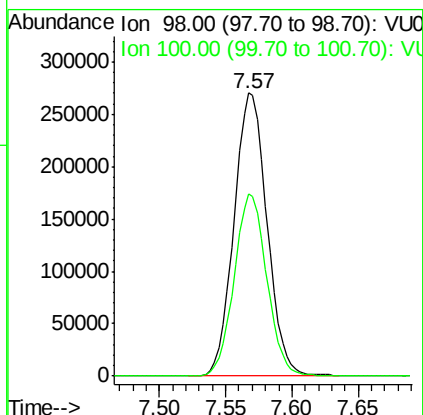
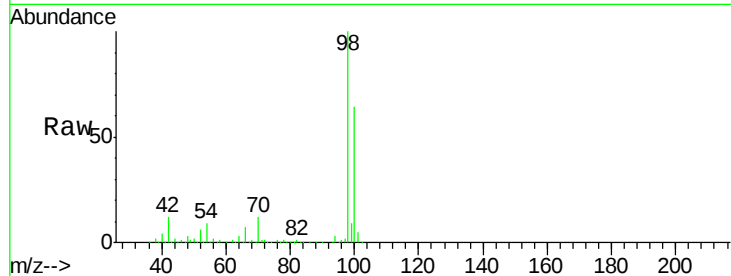




#50
Toluene-d8
Concen: 47.329 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024996.D
Acq: 28 Jun 2018 03:46

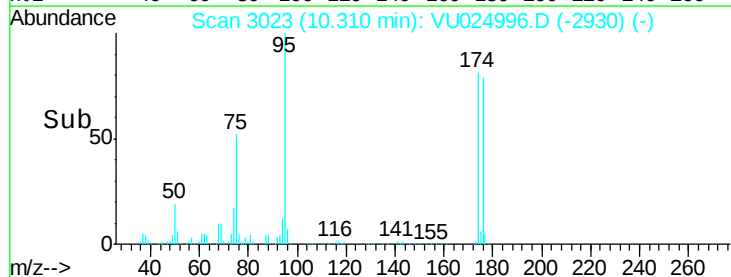
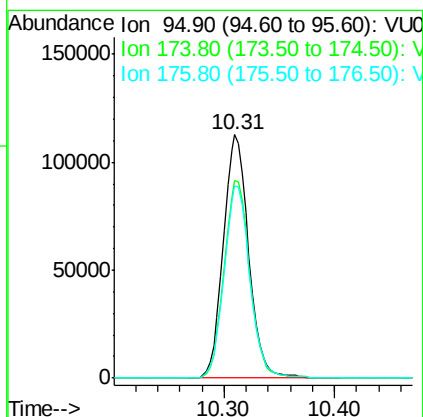
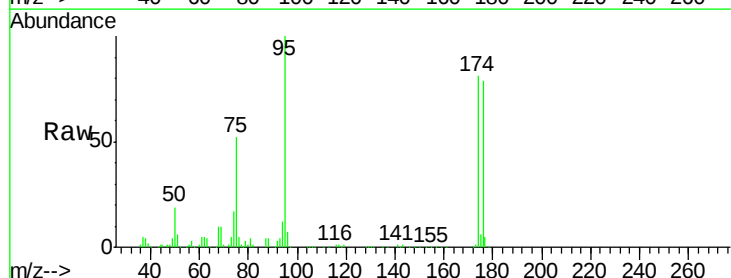
Instrument :
MSVOA_U
ClientSampleId :
WP021SB478-29-31-180621ME

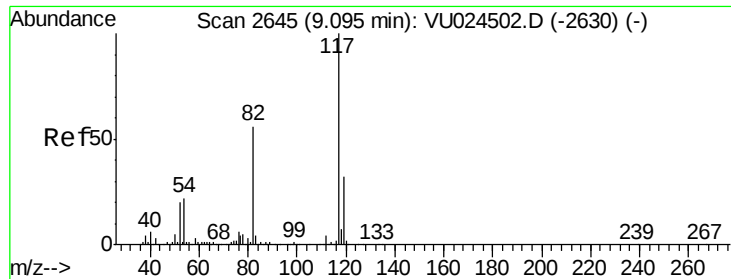
Tgt Ion: 98 Resp: 466644
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 45.835 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024996.D
Acq: 28 Jun 2018 03:46

Tgt Ion: 95 Resp: 179425
Ion Ratio Lower Upper
95 100
174 82.8 0.0 165.8
176 80.6 0.0 159.4

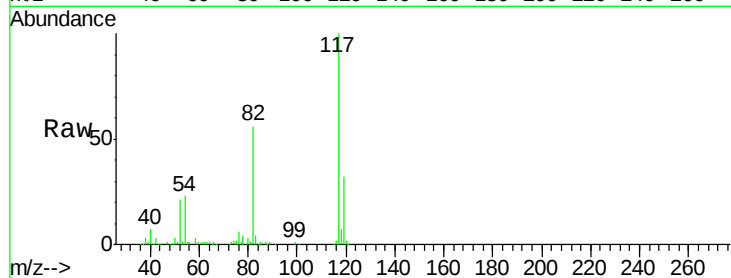




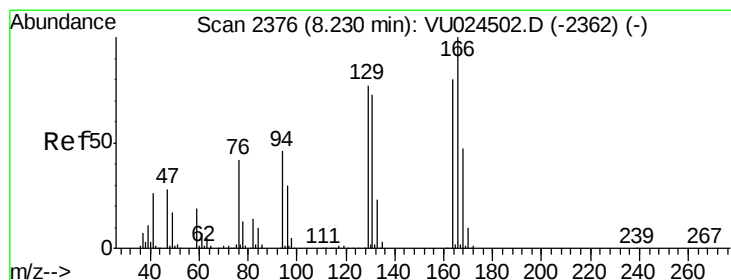
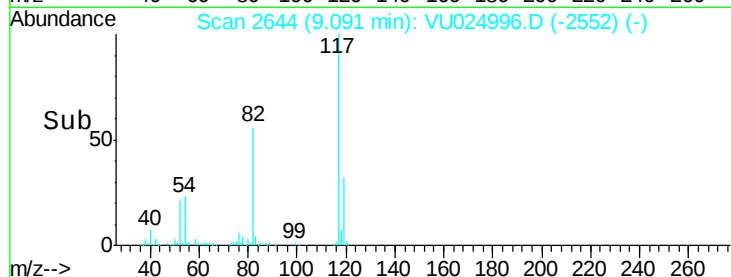
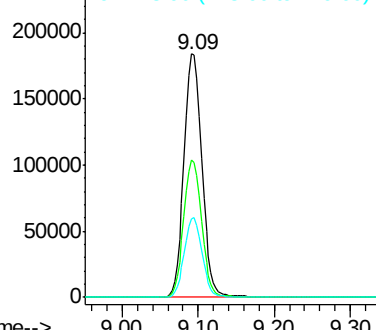
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024996.D
Acq: 28 Jun 2018 03:46

Instrument :
MSVOA_U
ClientSampleId :
WP021SB478-29-31-180621ME

Tgt Ion:	117	Resp:	302290
Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.3	66.5
119	32.4	25.4	38.2

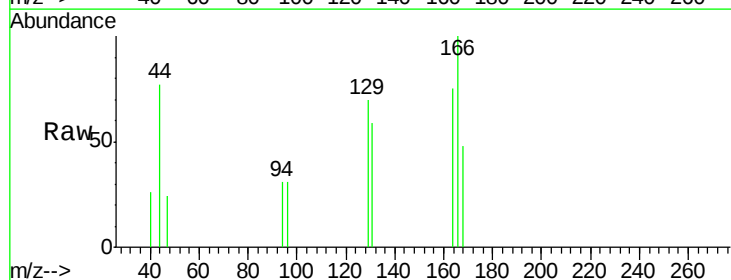


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

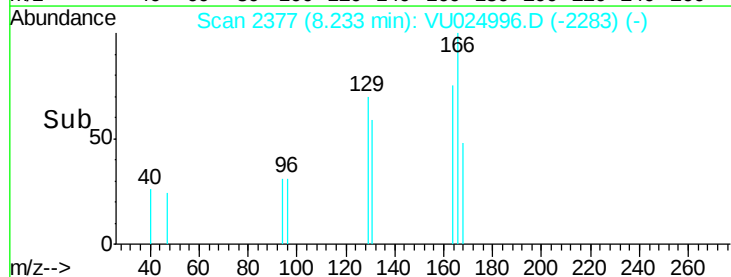
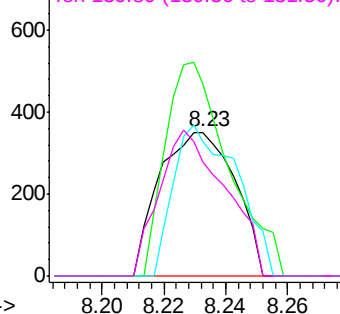


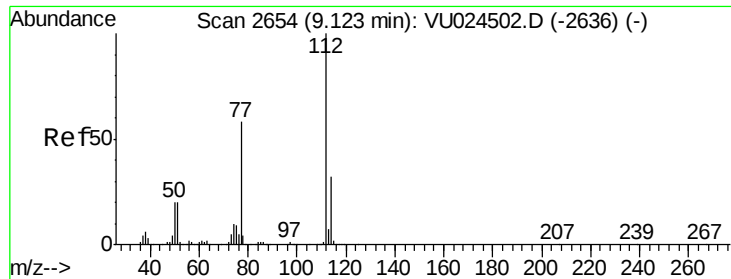
#64
Tetrachloroethene
Concen: 0.207 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024996.D
Acq: 28 Jun 2018 03:46

Tgt Ion:	164	Resp:	594
Ion	Ratio	Lower	Upper
164	100		
166	133.9	101.7	152.5
129	93.7	76.9	115.3
131	78.9	74.9	112.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 0.240 ug/l

RT: 9.12 min Scan# 2653

Delta R.T. -0.00 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

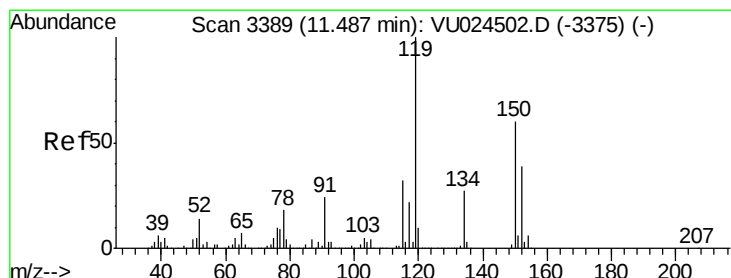
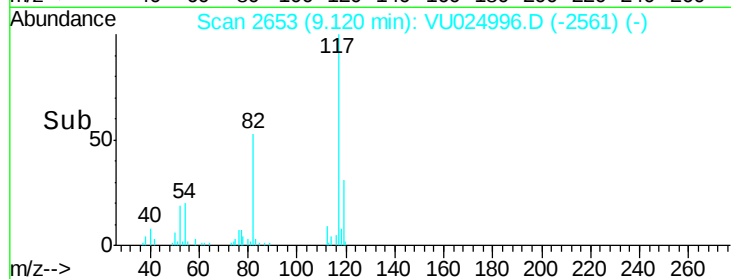
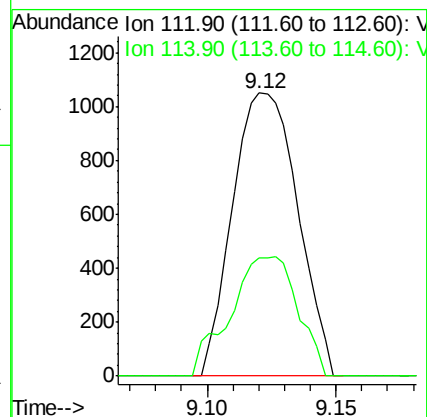
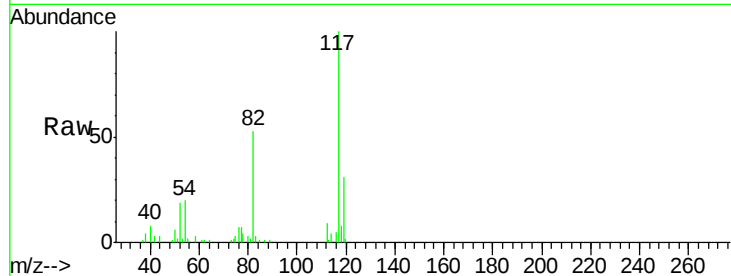
WP021SB478-29-31-180621ME

Tgt Ion:112 Resp: 1851

Ion Ratio Lower Upper

112 100

114 41.8 25.6 38.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

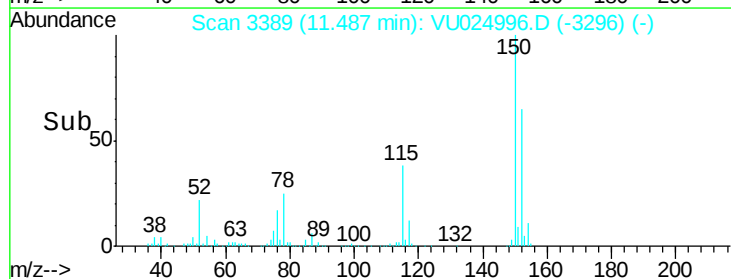
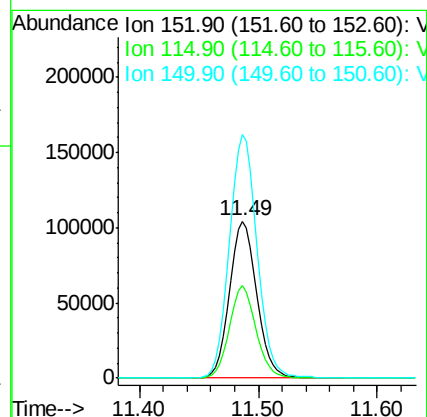
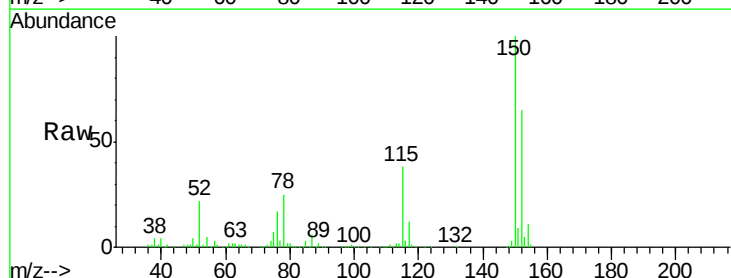
Tgt Ion:152 Resp: 165751

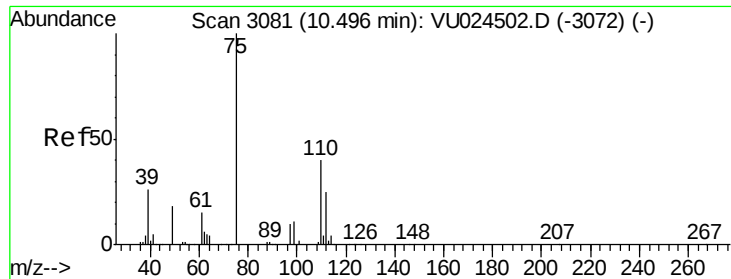
Ion Ratio Lower Upper

152 100

115 57.4 43.0 129.0

150 157.7 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 25.495 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

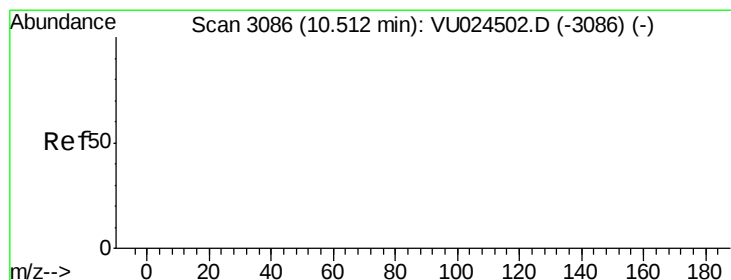
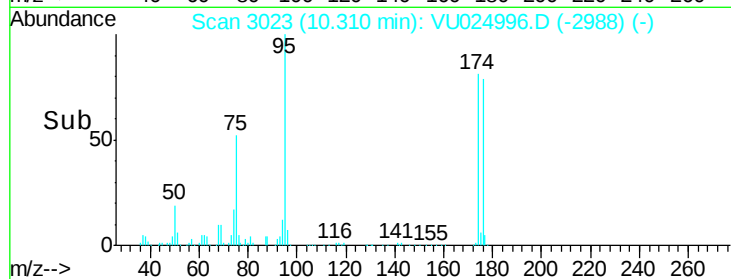
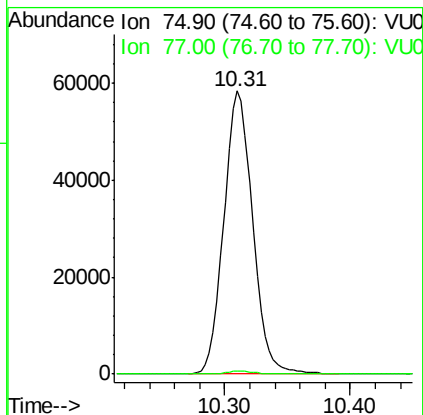
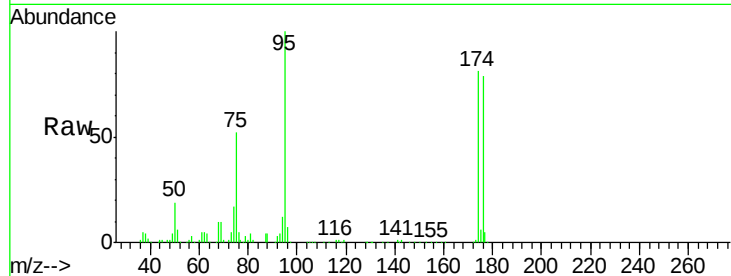
WP021SB478-29-31-180621ME

Tgt Ion: 75 Resp: 93039

Ion Ratio Lower Upper

75 100

77 1.1 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.007 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024996.D

Acq: 28 Jun 2018 03:46

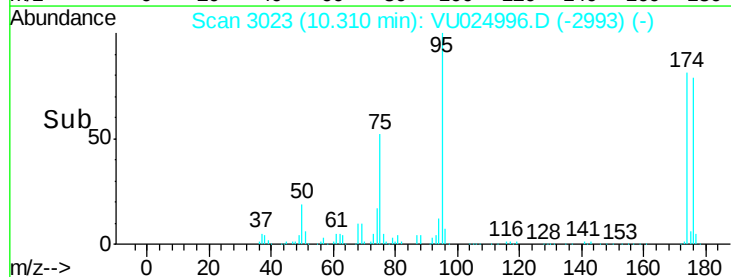
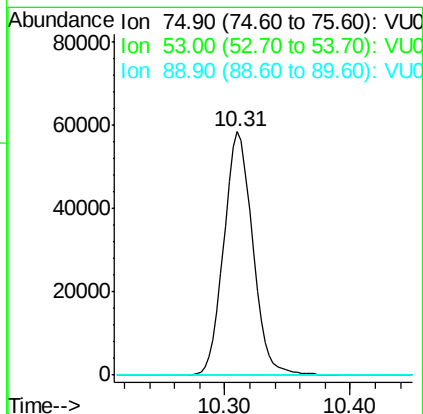
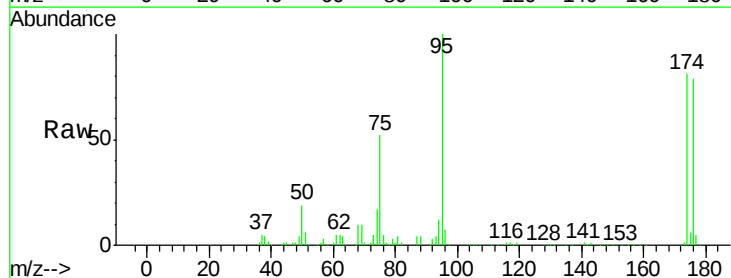
Tgt Ion: 75 Resp: 93039

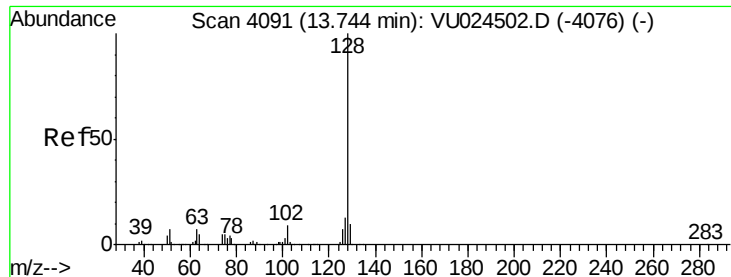
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.695 ug/l

RT: 13.79 min Scan# 4106

Delta R.T. 0.05 min

Lab File: VU024996.D

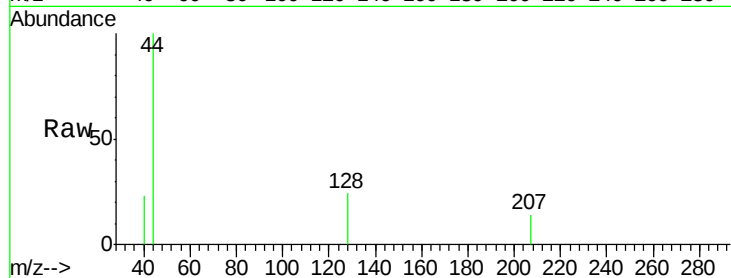
Acq: 28 Jun 2018 03:46

Instrument :

MSVOA_U

ClientSampleId :

WP021SB478-29-31-180621ME



Tgt Ion:128 Resp: 192

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

